

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant : Michael D. Ellis, Thomas R. Lemmons, and
William L. Thomas

Serial No. : Not Yet Assigned

Filed : Concurrently Herewith

For : CLIENT-SERVER ELECTRONIC PROGRAM GUIDE

Group Art Unit :

Examiner :

Hon. Assistant Commissioner
for Patents
Washington, D.C. 20231

INFORMATION DISCLOSURE STATEMENT

Sir:

In accordance with 37 C.F.R. §§ 1.56 and 1.97, applicants wish to call the attention of the Examiner to the following documents:

U.S. Patents

George et al.	U.S. Pat. No. 4,355,415	(10/19/82)
Freeman	U.S. Pat. No. 4,602,279	(7/22/86)
Chard	U.S. Pat. No. 4,605,964	(8/12/86)
Harvey et al.	U.S. Pat. No. 4,694,490	(9/15/87)
Hayes	U.S. Pat. No. 4,718,107	(1/5/88)
Welsh	U.S. Pat. No. 4,857,999	(8/15/89)
Kinghorn	U.S. Pat. No. 4,908,707	(3/13/90)
Vogel	U.S. Pat. No. 4,930,158	(5/29/90)
Duffield et al.	U.S. Pat. No. 4,959,720	(9/25/90)
Young	U.S. Pat. No. 4,977,455	(12/11/90)
Ando	U.S. Pat. No. 5,109,279	(4/28/92)
Bradley et al.	U.S. Pat. No. 5,172,413	(12/15/92)
Bronfin et al.	U.S. Pat. No. 5,200,822	(4/6/93)
Vogel	U.S. Pat. No. 5,253,066	(10/12/93)
Harvey et al.	U.S. Pat. No. 5,335,277	(8/2/94)

Hoarty	U.S. Pat. No. 5,412,720	(5/2/95)
Blahut et al.	U.S. Pat. No. 5,442,389	(8/15/95)
Hoarty	U.S. Pat. No. 5,485,197	(1/16/96)
Dunn et al.	U.S. Pat. No. 5,517,257	(5/14/96)
Clanton, III et al.	U.S. Pat. No. 5,524,195	(6/4/96)
Blahut et al.	U.S. Pat. No. 5,539,449	(7/23/96)
Klosterman	U.S. Pat. No. 5,550,576	(8/27/96)
Baker et al.	U.S. Pat. No. 5,583,561	(12/10/96)
Wanderscheid et al.	U.S. Pat. No. 5,583,563	(12/10/96)
Lawler et al.	U.S. Pat. No. 5,585,838	(12/17/96)
Harper et al.	U.S. Pat. No. 5,585,858	(12/17/96)
Knee et al.	U.S. Pat. No. 5,589,892	(12/31/96)
Wanderscheid et al.	U.S. Pat. No. 5,602,582	(2/11/97)
Aristides et al.	U.S. Pat. No. 5,630,119	(5/13/97)
Dunn et al.	U.S. Pat. No. 5,648,824	(7/15/97)
Matthews, III	U.S. Pat. No. 5,654,748	(8/5/97)
Zereski, Jr. et al.	U.S. Pat. No. 5,654,886	(8/5/97)
Aristides et al.	U.S. Pat. No. 5,657,072	(8/12/97)
Thomas et al.	U.S. Pat. No. 5,666,645	(9/9/97)
Klosterman	U.S. Pat. No. 5,684,525	(11/4/97)
Harrison	U.S. Pat. No. 5,694,163	(12/2/97)
Janin et al.	U.S. Pat. No. 5,717,452	(2/10/98)
Clanton, III et al.	U.S. Pat. No. 5,745,710	(4/28/98)
Girard et al.	U.S. Pat. No. 5,751,282	(5/12/98)
Faust et al.	U.S. Pat. No. 5,752,159	(5/12/98)
Epperson et al.	U.S. Pat. No. 5,754,771	(5/19/98)
Ellis et al.	U.S. Pat. No. 5,760,821	(6/2/98)
Stumm	U.S. Pat. No. 5,768,528	(6/16/98)
Cathey et al.	U.S. Pat. No. 5,778,182	(7/7/98)
Sheehan	U.S. Pat. No. 5,781,226	(7/14/98)
Davis et al.	U.S. Pat. No. 5,796,952	(8/18/98)
Karlton et al.	U.S. Pat. No. 5,802,284	(9/1/98)
Allibhoy et al.	U.S. Pat. No. 5,805,155	(9/8/98)
Lawler et al.	U.S. Pat. No. 5,805,763	(9/8/98)
Laursen et al.	U.S. Pat. No. 5,805,804	(9/8/98)
Rowe et al.	U.S. Pat. No. 5,812,123	(9/22/98)
Howe et al.	U.S. Pat. No. 5,818,438	(10/6/98)
Nelson	U.S. Pat. No. 5,819,019	(10/6/98)
Klosterman	U.S. Pat. No. 5,828,945	(10/27/98)

Foreign Patents

PCT Patent App. Publ. No.	WO 88/04507	(6/16/88)
PCT Patent App. Publ. No.	WO 96/34491	(10/31/96)
PCT Patent App. Publ. No.	WO 97/13368	(4/10/97)
PCT Patent App. Publ. No.	WO 97/46943	(12/11/97)
PCT Patent App. Publ. No.	WO 97/47124	(12/11/97)

PCT Patent App. Publ. No. WO 97/48230 (12/18/97)
PCT Patent App. Publ. No. WO 97/49237 (12/24/97)
PCT Patent App. Publ. No. WO 98/43183 (10/1/98)
PCT Patent App. Publ. No. WO 99/03267 (1/21/99)

Other Documents

Hofmann, Neumann, Oberlies, and Schadwinkel, "Videotext Programmirt Videorecorder," Rundfunktechnische Mitteilungen, Nov.-Dec. 1982, pp. 254-57.*

"Electronic Programme Guide (EPG); Protocol for a TV Guide using electronic data transmission," by European Telecommunication Standards Institute, May 1997, Valbonne, France, publication no. ETS 300 707.

"Windows 98 Feature Combines TV, Terminal and the Internet," New York Times, August 18, 1998.

"Digital Video Broadcasting (DVB); DVB specification for data broadcasting", European Telecommunications Standards Institute, Draft EN 301 192 V1.2.1 (1999-01).

Rewind, replay and unwind with new high-tech TV devices," by Lawrence J. Magid, LA Times. This document was printed from the Internet on June 6, 1999 and bears a date of May 19, 1999.

These documents are listed on the accompanying Form PTO-1449 (submitted in duplicate) and copies are enclosed herewith.

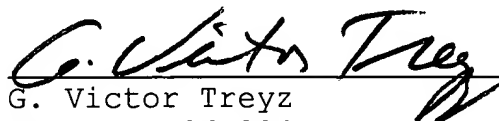
Applicants also wish to bring to the attention of the Examiner the following U.S. Provisional Patent Applications:

Thomas et al. Serial No. 60/085,607 (filed May 15, 1998)
Knee et al. Serial No. 60/085,750 (filed May 15, 1998)
Ellis et al. Serial No. 60/092,807 (filed July 14, 1998)

* Translation attached.

Consideration of the foregoing in relation to this
patent application is respectfully requested.

Respectfully submitted,

A handwritten signature in cursive script, reading "G. Victor Treyz", is written over a horizontal line.

G. Victor Treyz

Reg. No. 36,294

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FORM PTO-1449	U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	ATTY. DOCKET NO. UV-97	SERIAL NO.
INFORMATION DISCLOSURE STATEMENT BY APPLICANTS		APPLICANTS	
		Michael D. Ellis, Thomas R. Lemmons, and William L. Thomas	
		FILING DATE Concurrently Herewith	GROUP

U.S. PTO
09/31/93
08/13/99

U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	4,355,415	10/19/82	George et al.	455	185	
	4,602,279	7/22/86	Freeman	358	86	
	4,605,964	8/12/86	Chard	358	147	
	4,694,490	9/15/87	Harvey et al.	380	20	
	4,718,107	1/5/88	Hayes	455	4	
	4,857,999	8/15/89	Welsh	358	84	
	4,908,707	3/13/90	Kinghorn	358	147	
	4,930,158	5/29/90	Vogel	380	5	
	4,959,720	9/25/90	Duffield et al.	358	191.1	
	4,977,455	12/11/90	Young	358	142	
	5,109,279	4/28/92	Ando	358	147	
	5,172,413	12/15/92	Bradley et al.	380	20	
	5,200,822	4/6/93	Bronfin et al.	358	142	
	5,253,066	10/12/93	Vogel	358	188	
	5,335,277	8/2/94	Harvey et al.	380	20	
	5,412,720	5/2/95	Hoarty	380	15	
	5,442,389	8/15/95	Blahut et al.	348	7	
	5,485,197	1/16/96	Hoarty	348	7	
	5,517,257	5/14/96	Dunn et al.	348	734	
	5,524,195	6/4/96	Clanton, III et al.	395	155	
	5,539,449	7/23/96	Blahut et al.	348	7	
	5,550,576	8/27/96	Klosterman	348	6	
	5,583,561	12/10/96	Baker et al.	348	7	
	5,583,563	12/10/96	Wanderscheid et al.	348	13	
	5,585,838	12/17/96	Lawler et al.	348	13	
	5,585,858	12/17/96	Harper et al.	348	485	
	5,589,892	12/31/96	Knee et al.	348	731	

EXAMINER

DATE CONSIDERED

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not conformance and not considered. Include copy of this form with next communication to applicant.

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U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	5,602,582	2/11/97	Wanderscheid et al.	348	12	
	5,630,119	5/13/97	Aristides et al.	395	601	
	5,648,824	7/15/97	Dunn et al.	348	734	
	5,654,748	8/5/97	Matthews, III	348	13	
	5,654,886	8/5/97	Zereski, Jr. et al.	364	420	
	5,657,072	8/12/97	Aristides et al.	348	13	
	5,666,645	9/9/97	Thomas et al.	455	6.1	
	5,684,525	11/4/97	Klosterman	348	12	
	5,694,163	12/2/97	Harrison	348	13	
	5,717,452	2/10/98	Janin et al.	348	7	
	5,745,710	4/28/98	Clanton, III et al.	395	327	
	5,751,282	5/12/98	Girard et al.	345	327	
	5,752,159	5/12/98	Faust et al.	455	5.1	
	5,754,771	5/19/98	Epperson et al.	395	200.33	
	5,760,821	6/2/98	Ellis et al.	348	10	
	5,768,528	6/16/98	Stumm	395	200.61	
	5,778,182	7/7/98	Cathey et al.	395	200.49	
	5,781,226	7/14/98	Sheehan	348	6	
	5,796,952	8/18/98	Davis et al.	395	200.54	
	5,802,284	9/1/98	Karlton et al.	395	200.09	
	5,805,155	9/8/98	Allibhoy et al.	345	327	
	5,805,763	9/8/98	Lawler et al.	386	83	
	5,805,804	9/8/98	Laursen et al.	395	200.02	
	5,812,123	9/22/98	Rowe et al.	345	327	
	5,818,438	10/6/98	Howe et al.	345	327	
	5,819,019	10/6/98	Nelson	395	182.02	
	5,828,945	10/27/98	Klosterman	455	4.2	

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FOREIGN PATENT DOCUMENTS

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